

ABSTRACT OF THE DISCLOSURE

The present invention provides a virtual room videoconferencing system (VRVS).

According to one or more embodiments of the present invention, one or more virtual conference rooms are implemented by creating dedicated pathways between the users of the conference room.

The pathways are configured to connect each of the users of the virtual conference room.

According to one embodiment of the present invention each member of a virtual conference room makes a connection between their computing device and a reflector. The reflector in turn connects to one or more other reflectors via one or more tunnels. A tunnel is a permanent connection between reflectors. When a user wishes to join a virtual conference, they choose the appropriate room, which in turn causes the system to locate the ideal reflector for that user. Once the reflector is chosen, all information is passed from the user to all other members of the virtual conference room by sending packets of information from the user, to the reflector, and across one or more tunnels so that the packets are broadcast to each reflector where a member of the virtual conference room is connected and may receive the broadcasted packets.